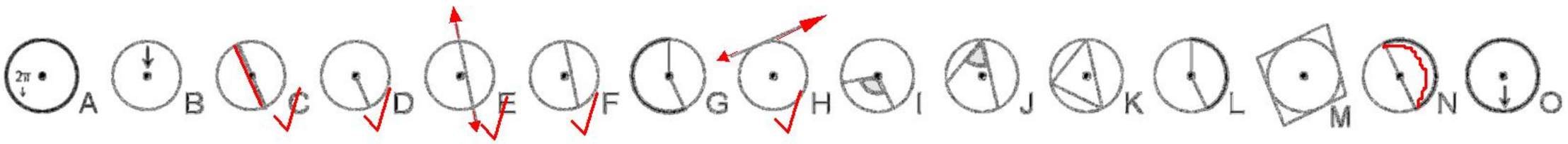
Circles – Vocabulary Review

For each definition, fill in the letter matching the corresponding term (first column) and illustration (second column).

	term	Illustration/picture
1. A chord which goes through the center of a circle.	g	C
2. A line segment going from the center of a circle to its edge.	l	D
3. A line segment where both end points are on the edge of a circle.	c	F
4. A line which touches a circle at exactly one point.	o	H
5. A line which touches a circle at exactly two points.	m	E
6. A polygon whose sides are all tangent to the circle.	f	M
7. A polygon whose vertices all touch the circle.	i	K
8. A portion of a circle's edge which is less than half the length of the circumference.	k	L
9. A portion of a circle's edge which is more than half the length of the circumference.	j	G
10. An angle inside a circle with the center of a circle as its vertex.	b	I
11. An angle inside a circle with the edge of a circle as its vertex.	i	J
12. An arc which is exactly half the length of the circle's circumference.	n	N
13. The central point of a circle.	a	B
14. The distance around the entire edge of a circle.	e	A
15. The set of all points the same distance from a specific, central point.	d	O

a. Center or vertex
b. Central angle
c. Chord
d. Circle
e. Circumference
f. Circumscribed polygon
g. Diameter
h. Inscribed angle
i. Inscribed polygon
j. Major arc
k. Minor arc
l. Radius
m. Secant
n. Semi-circle
o. Tangent



Geometry and Language

Some Important Morphemes (Word Units):

Geo: "Earth"
- *Geometry*
- Geologist

Circum-: "Around"
- ***Circumference***
- ***Circumscribe***
- *Circumcenter*
- Circumnavigate

In-: "Inside"
- ***Inscribe***
- *Incenter*
- *Interior*

Ex-: "Outside"
- *Exterior*
- External

Para-: "Alongside"
- *Parallel*
- *Parameter*
- Paralegal

Inter-: "Between"
- *Intersect*
- Intermural

In-: "Not"
- *Integer*
- *Infinite*
- Inedible

-meter: "Measure"
- *Geometry*
- *Centimeter*

Dia-: "Two"
- ***Diameter***
- *Diagonal*

Tri-: "Three"
- *Triangle*
- Trifecta

Quadr-: "Four"
- *Quadrilateral*
- *Quadrangle*
- *Quadratic*
- Quatrain

Poly-: "Many"
- *Polygon*
- *Polyhedron*
- Polypeptide

Semi-: "Half"
- ***Semi-circle***
- Semiannual
- Semicolon

Ray: "Spoke"
- ***Radius***
- ***Radian***
- Ray

Sec-: "Cut"
- ***Secant***
- *Intersect*
- Section

Lateral: "Sides"
- *Equilateral*
- *Quadrilateral*
- Unilateral

-pend: "Hang from"
- *Perpendicular*
- Depend
- Impending
- Suspend

-scribe: "Write"
- ***Circumscribe***
- ***Inscribe***
- Prescribe
- Describe

-gon: "angles"
- *Pentagon*
- *Hexagon*
- *Octagon*

-tang-: "Touch"
- ***Tangent***
- *Integer*
- Tangible

The Greek Alphabet:

Greek Letter		Name	Equivalent	Sound When Spoken
Α	α	Alpha	A	al-fah
Β	β	Beta	B	bay-tah
Γ	γ	Gamma	G	gam-ah
Δ	δ	Delta	D	del-tah
Ε	ε	Epsilon	E	ep-si-lon
Ζ	ζ	Zeta	Z	zay-tah
Η	η	Eta	E	ay-tay
Θ	θ	Theta	Th	thay-tah
Ι	ι	Iota	I	eye-o-tah
Κ	κ	Kappa	K	cap-ah
Λ	λ	Lambda	L	lamb-dah
Μ	μ	Mu	M	mew
Ν	ν	Nu	N	new
Ξ	ξ	Xi	X	zzEye
Ο	ο	Omicron	O	om-ah-cron
Π	π	Pi	P	pie
Ρ	ρ	Rho	R	row
Σ	σ	Sigma	S	sig-ma
Τ	τ	Tau	T	tawh
Υ	υ	Upsilon	U	oop-si-lon
Φ	φ	Phi	Ph	figh or fie
Χ	χ	Chi	Ch	kigh
Ψ	ψ	Psi	Ps	sigh
Ω	ω	Omega	O	o-may-gah